See the Possibilities.

Matrox Graphics offers the most extensive line of reliable multi-display solutions on the market today.

Product Lineup

matrox®

Graphics for Professionals

Matrox Multi-Display Graphics Cards

A pioneer in multi-monitor graphics technology, Matrox offers the most extensive line of multi-display graphics solutions — dual, quad and beyond — on the market today. We work hard to deliver the optimal combination of fanless design, low power consumption, best-of-breed 2D image quality, high MTBF and long product life cycles. Our solutions offer flexible multi-display configurations — from stretched to independent, in pivot and clone mode for widescreen and custom monitors — to give you more workspace to see and do more.

Product	Part Number	Max. # of Displays				Card Type	Graphics Memory	Form Factor Card/Bracket	On-Board Connectors	Maximum Resolutions (Per Display)			List Price USD	Optional Adapter/Cable Upgrade(s)[2] (sold separately)	
		DisplayPort	DVI	Analog	Total					DisplayPort	DVI	Analog		Cable Description	Cable Part Number
M-Series - Low power consumption. Fanless cooling[10]. Dual and Quad multi-monitor support. Exceptional performance and image quality.															
M9120 PCIe x16	M9120-E512F	—	2	2	2	PCIe x16	512MB DDR2	ATX / ATX	DVI-I x 2	—	1920x1200	2048x1536	$259	—	—
M9120 Plus LP PCIe x1	M9120-E512LAU1F	—	2	4[4]	4[8]	PCIe x1	512MB DDR2	LP / ATX & LP	LFH-60	—	1920x1200	2048x1536 (x2) or 1920x1200 (x3, x4)[3]	$329	LFH-60 to 4xHD15 Analog	CAB-L60-4XAF
M9120 Plus LP PCIe x16	M9120-E512LPUF	—	2	4[4]	4[8]	PCIe x16	512MB DDR2	LP / LP & ATX	LFH-60	—	1920x1200	2048x1536 (x2) or 1920x1200 (x3, x4)[3]	$329	LFH-60 to 4xHD15 Analog	CAB-L60-4XAF
M9125 PCIe x16	M9125-E512F	—	2	2	2	PCIe x16	512MB DDR2	ATX / ATX	DVI-I x 2	—	1920x1200 and 2560x1600	2048x1536	$399	—	—
M9128 LP PCIe x16	CAB128-E1024LAF	2	2[8]	—	2	PCIe x16	1GB DDR2	LP / ATX & LP	DP x2	2560x1600	1920x1200	—	$259	DP to DVI-D (DVI Single-Link)	CAB-DP-DVIF
M9138 LP PCIe x16	CAB138-E1024LAF	3	3[8]	—	3	PCIe x16	1GB DDR2	LP / ATX & LP	3 x miniDP	2560x1600	1920x1200	—	$395	DP to DVI-D (DVI Single-Link)	CAB-DP-DVIF
M9140 LP PCIe x16	M9140-E512LAF	—	4	4	4	PCIe x16	512MB DDR2	LP / ATX & LP	KX20	—	1920x1200	1920x1200	$599	—	—
M9148 LP PCIe x16	M9148-E1024LAF	4	4	4	4	PCIe x16	1GB DDR2	LP / ATX & LP	4 x miniDP	2560x1600	1920x1200	—	$629	—	—
M9188 PCIe x16	M9188-E2048F	8	8	—	8	PCIe x16	2 GB DDR2	ATX / ATX	8 x miniDP	2560x1600	1920x1200	—	$1995	—	—
P-Series - Ultra-low power consumption. Fanless cooling. Dual and quad multi-monitor support. Easy to deploy.															
P690 LP PCIe x1	P69-MDDE128LA1F	—	2	2	2	PCIe x1	128MB	LP / ATX & LP	LFH-60	—	1920x1200	2048x1536	$249	LFH-60 to 2xDVI-D (6ft)	CAB-L60-2XD6F
P690 LP PCIe x16	P69-MDDE128LPF	—	2	2	2	PCIe x16	128MB	LP / LP & ATX	LFH-60	—	1920x1200	2048x1536	$249	LFH-60 to 2xDVI-D (6ft)	CAB-L60-2XD6F
P690 PCI	P69-MDDP128F	—	2	2	2	PCI	128MB	ATX / ATX	DVI-I x 2	—	1920x1200	2048x1536	$199	—	—
P690 PCIe x16	P69-MDDE128F	—	2	2	2	PCIe x16	128MB	ATX / ATX	DVI-I x 2	—	1920x1200	2048x1536	$199	—	—
P690 Plus LP PCI	P69-MDDP256LAUF	—	2	4[4]	4	PCI	256MB	LP / ATX & LP	LFH-60	—	1920x1200	2048x1536 (x2), 1920x1200 (x3, x4)[1, 3]	$289	LFH-60 to 4xHD15 Analog & LFH-60 to 2xDVI-D (6ft)	CAB-L60-4XAF & CAB-L60-2XD6F
P690 Plus LP PCIe x16	P69-MDDE256LAUF	—	2	4[4]	4	PCIe x16	256MB	LP / ATX & LP	LFH-60	—	1920x1200	2048x1536 (x2), 1920x1200 (x3, x4)[1, 3]	$289	LFH-60 to 4xHD15 Analog & LFH-60 to 2xDVI-D (6ft)	CAB-L60-4XAF & CAB-L60-2XD6F
G-Series - Cost-effective and highly flexible DualHead graphics cards.															
G550 LP PCI	G55MDDAP32DSF	—	2[8]	2	2	PCI, 32-bit, 66 MHz	32MB	LP / ATX & LP	LFH-60	—	1280x1024[1,5]	2048x1536 (main), 1600x1200 (secondary)	$149	HD15 to 1xSDTV (TV-OUT) & LFH-60 to 2xDVI-I (1ft) & LFH-60 to 2xDVI-D (6ft)	CAB-HD15-TVF & CAB-L60-2XDF & CAB-L60-2XD6F
G550 LP PCIe	G55-MDDE32LPDF	—	2	2	2	PCIe x1	32MB	LP / LP & ATX	LFH-60	—	1280x1024[1]	2048x1536 (main), 1600x1200 (secondary)	$169	HD15 to 1xSDTV (TV-OUT) & LFH-60 to 2xDVI-D (6ft)	CAB-HD15-TVF & CAB-L60-2XD6F
G550 PCIe	G55-MDDE32F	—	2	2	2	PCIe x1	32MB	ATX / ATX	DVI-I x 2	—	1280x1024[1]	2048x1536 (main), 1600x1200 (secondary)	$139	HD15 to 1xSDTV (TV-OUT)	CAB-HD15-TVF

Graphics eXpansion Modules

Add external multi-monitor support to laptops, desktops and workstations. Customers benefit from multi-display computing — without the need to open PC chassis.

Product	Part Number	Max. # of Displays				Connectors	Maximum Resolutions (Per Display)[6]			Hardware Included	Dimensions (WxDxH)	List Price USD	Optional Adapter/Cable Upgrade(s)[2] (sold separately)	
		DisplayPort	Digital	Analog	Total		DisplayPort	DVI	Analog				Cable Description	Cable Part Number
DualHead2Go Digital ME	D2G-DP2D-MIF	—	2	—	2	1x DP (input), 2x DVI-D (outputs), 1x USB (power)	—	2x 1920x1200	—	Mini-DP-to-DP input cable, USB cable	3.8"x 2.5"x1.1"	$179	—	—
DualHead2Go Digital SE	D2G-DP2D-IF	—	2	—	2	1x DP (input), 2x DVI-D (outputs), 1x USB (power)	—	2x 1920x1200	—	DP-to-DP input cable, USB cable	3.8"x 2.5"x1.1"	$179	—	—
DualHead2Go Analog Edition	D2G-A2A-IF	—	—	2	2	3x VGA (1 input, 2 outputs), 1x USB (power)	—	—	2x 1280x1024	2-ft VGA-to-VGA (analog) monitor cable, USB cable	3.8"x 3.6"x0.94"	$169	—	—
DualHead2Go Digital Edition	D2G-A2D-IF	—	2	2[8]	2	1x VGA (input), 2x DVI-I (outputs), 1x USB (power)	—	2x 1920x1200	2x 1680x1050	2-ft VGA-to-VGA (analog) monitor cable, USB cable, 2-ft DVI-to-VGA monitor cable.	4.4"x5.5"x1.1"	$229	DVI to VGA adaptor	ADP-DVI-AF
DualHead2Go DP Edition	D2G-DP-MIF	2	2[8]	2[8]	2	1x DP (input), 2x DP (outputs), 1x USB (power)	2x 1920x1200	2x 1920x1200	2x 1680x1050	DP-to-DP input cable, USB cable, Mini-DP-to-DP input cable	3.85" x 3.5" x 1.1"	$239	DisplayPort to DVI	CAB-DP-DVIF
TripleHead2Go Digital Edition	T2G-D3D-IF	—	3	3[8]	3	1x VGA (input), 1x DVI-DL (input), 3x DVI-I (outputs) 1x USB	—	3x 1920x1080[11] 3x 1680x1050[8] 2x 1920x1200	3x 1360x768 3x 1680x1050 2x 1680x1050	2-ft VGA-to-VGA monitor cable, 2-ft DVI-to-DVI monitor cable USB cable	4.4"x5.5"x1.1"	$329	DVI to VGA adaptor	ADP-DVI-AF
TripleHead2Go DP Edition	T2G-DP-MIF	3	3[8]	3[8]	3	1x DP (input), 3x DP (outputs), 1x USB (power)	3x 1680x1050[9] 2x 1920x1200	3x 1920x1080[11] 3x 1680x1050[9] 2x 1920x1200	3x 1360x768 2x 1680x1050	DP-to-DP input cable, USB cable, Mini-DP-to-DP input cable	3.85" x 3.5" x 1.1"	$329	DisplayPort to DVI	CAB-DP-DVIF

[1] The resolution & refresh rate of each display must be the same.   [2] Cable pricing details available at www.matrox.com/graphics   [3] 1920x1200 supported with quad analog upgrade cable   [4] LFH-60 to 4xHD15 cable upgrade required   [5] LFH-60 to dual DVI-I cable upgrade required   [6] Maximum resolution supported is system and OS dependent, please visit www.matrox.com/graphics/en/support/gxm for details.
[7] These modes are available when TripleHead2Go Digital Edition is connected to the system's dual-link DVI output, and are not available under any Mac OS X operating system.   [8] Using optional adapter cable (sold separately).   [9] These modes are not available under any Mac OS X operating system.   [10] M9188 does have a fan for cooling.   [11] Resolution supported at 50Hz which may be incompatible with some displays.

Visit www.matrox.com/graphics for all software and hardware upgrade options and complete product line details.

KVM Extenders

Matrox Extio separates standard peripherals — keyboard, video and mouse — from the computer by up to 1 km (3280 ft)[1] with fiber-optic cabling to deliver a user experience with less noise, less heat and more workspace.

Product[2]	Part Number	Max. # of Displays	Graphics Memory	Connectors	Maximum Resolutions (Per Display)			Maximum Distance	Interface card required
					DisplayPort	Digital	Analog		
Extio F2208	XTO2-F2208F	2	1GB	2 DisplayPort connectors, 5 USB 2.0 ports, dual-LC fiber-optic connector, audio connectors, power input	2560x1600	1920x1200[3]	1920x1200[3]	400 m (1312 ft)	PCIe x1 (Part # XTO2A-FESLPAF)
Extio F2408	XTO2-F2408F	4	1GB	4 DisplayPort connectors, 5 USB 2.0 ports, dual-LC fiber-optic connector, audio connectors, power input	2560x1600	1920x1200[3]	1920x1200[3]	400 m (1312 ft)	PCIe x1 (Part # XTO2A-FESLPAF)
Extio F2408E Expander	XTO2EX-F2408F	4	1GB	4 DisplayPort connectors, dual-LC fiber-optic connector, power input	2560x1600	1920x1200[3]	1920x1200[3]	5 m (must use cable provided)	—

[1] Matrox Extio F2208 and F2408 ship with multi-mode fiber optic cable transceivers. Single-mode transceiver kit available to support extension distances above 400 m (1312 ft) and up to 1 km (3280 ft). Contact Matrox for details.
[2] Fiber optic cables for products are required and sold separately. [3] Two DisplayPort to DVI connector adapters included with Extio F2208. Four DisplayPort to DVI connector adapters included with Extio F2408. DisplayPort to Analog (VGA) adapters available from 3rd party vendors.

Matrox Avio consists of a transmitter and receiver pair, which captures dual digital video, keyboard, mouse, analog stereo audio and USB from the host system and extends them uncompressed up to 2km (6561 ft) over a single duplex LC-LC fiber optic cable.

Product	Part Number	Video Input Connector	Video Output Connector	Maximum Resolution	USB HID ports	USB 2.0 ports	Keyboard & Mouse		Analog Stereo Audio	Maximum Distance
							USB	PS/2		
Avio F120 Transmitter	AV-F120TXF	1x DVI-D SL 1x DVI-D DL	1x DVI-I SL 1x DVI-I DL	2x 1920x1200 1x 2560x1600	2	2	Yes	Yes	Yes	300m (894 ft) in Multimode 2km (6561ft) in Single-mode[1]
Avio F120 Receiver	AV-F120RXF	—	1x DVI-I SL 1x DVI-I DL	2x 1920x1200 1x 2560x1600	4	—	Yes	Yes	Yes	300m in Multimode 2km in Single-mode[1]

[1] Single-Mode upgrade kit is sold separately (Part# AV-SFP10G-2SMF)

Display Wall Controller Boards

Build small or large collaborative video walls for control rooms, corporate boardrooms, and digital signage applications using multi-functional add-in boards that facilitate capture and display of both analog and digital video sources at full HD Truecolor image quality.

Product	Part Number	Board Type	Interface	Memory	Transfer rate	Output Resolutions[1]		Input Resolutions[1] (Per Display)				
						SL-DVI	RGB (VGA)	SL-DVI[2]	RGB (VGA)[2]	Component (VPbPr)	S-Video Composite	SDI
Mura MPX-4/0	MURA-MPX40F MURA-MPX40HF[3]	4 outputs 0 inputs	PCI Express x16 (Gen2)	2GB[4]	64 Gbit/sec	2048x1152	2048x1536	—	—	—	—	
Mura MPX-4/2	MURA-MPX42F MURA-MPX42HF[3]	4 outputs 2 inputs	PCI Express x16 (Gen2)	2GB[4]	64 Gbit/sec	2048x1152	2048x1536	1920x1200	2048x1536[5]	1080i	NTSC/PAL SECAM	
Mura MPX-4/4	MURA-MPX44F MURA-MPX44HF[3]	4 outputs 4 inputs	PCI Express x16 (Gen2)	2GB[4]	64 Gbit/sec	2048x1152	2048x1536	1920x1200	2048x1536[5]	1080i	NTSC/PAL SECAM	
Mura MPX-SDI	MURA-MPXSDIF	2 outputs 2 inputs	PCI Express x16 (Gen1)	1GB[4]	32 Gbit/sec	2048x1152	2048x1536	—	—	—	—	1920x1080
Mura MPX-V8	MURA-MPXV8F	0 outputs 8 inputs	PCI Express x4 (Gen1)	128MB[6]	8 Gbit/sec	—	—	—	—	—	NTSC/PAL SECAM	—
Mura MPX-V16	MURA-MPXV16F	0 outputs 16 inputs	PCI Express x4 (Gen1)	256MB[6]	8 Gbit/sec	—	—	—	—	—	NTSC/PAL SECAM	—

[1] Maximum resolutions listed. Support for standard and custom resolutions available. For specific requirements contact Matrox.
[2] RGB (VGA) adapter included with Mura MPX 4/0, Mura MPX 4/2, and Mura MPX 4/4. Matrox adapters sold separately for component, s-video, and composite. Contact Matrox for details.
[3] Fanless board. [4] Shared memory for inputs and outputs. [5] Refresh rate of 47 Hz. [6] Input memory.

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